



Punta Arenas, Chile

2016 ATom Deployment Guide

TABLE OF CONTENTS

Before Arrival	3
Travel Documentation	3
CDC Recommendations	3
Currency.....	3
Site Orientation	3
ESPO Site Support.....	3
Per Diem	3
Customs and Immigration.....	4
Schedule	4
Daily Schedule	4
Lodging.....	4
Transportation	4
<i>Taxis</i>	4
<i>Rental Cars</i>	4
Communications.....	5
<i>Internet</i>	5
<i>Voice and Text</i>	5
<i>Electrical Power</i>	5
Aircraft Access	6
<i>Airfield Safety</i>	6
Shipping.....	7
Health.....	7
<i>Hospitals & Clinics</i>	7
<i>Pharmacies</i>	7
<i>Emergency Phone Numbers</i>	7
Stores/Restaurants	7
Upon Departure	7
Weather	8
Natural Hazards/Emergency Plans	8
Earthquakes	8
<i>During an Earthquake (from cdc.gov)</i>	8

BEFORE ARRIVAL

TRAVEL DOCUMENTATION

U.S. citizens entering Chile must have a valid passport but as of 2014 no visa or reciprocity fee is needed for U.S. citizens. Stays are granted for up to 90 days. U.S. citizens with red, official passports entering Chile need to have a visa. These visas can be obtained through the civil servants' home center. Unless specifically requested otherwise these visas are valid for 90 days from the visa issue date and good for a single entry. The latest information regarding Chilean entry requirements for citizens from other countries can be obtained at the Chilean consular website: <http://chile.gob.cl/en/consulados/>

CDC RECOMMENDATIONS

The Center for Disease Control recommends that all travelers have their routine vaccinations (MMR, diphtheria-tetanus-pertussis, chickenpox, polio and a yearly flu shot). Further, the CDC recommends most travelers get a Hepatitis A and a Typhoid vaccination.

CURRENCY

The Chilean currency is the Chilean Peso (CLP). As of the writing of this document the exchange rate was \$1 U.S. = 659 CLP. There are a large number of banks in Punta Arenas with 24/7 ATMs (cajero automatico). Banks open at 09:00 and usually close at 14:00-15:00. Be careful with your Chilean currency, as some bills look quite similar (e.g. 1000 and 10000 peso notes).

SITE ORIENTATION

You will be arriving at Presidente Carlos Ibanez del Campo International Airport (PUQ). The airport is located about 20 km north of the city of Punta Arenas and is open 24/7. Google Maps provides very accurate information regarding the city of Punta Arenas. Keep your passport safely stored and carry a photocopy of your passport with you at all times.

ESPO SITE SUPPORT

Name	Phone	E-mail
Jhony Zavaleta (Site Manager)	+1 (650) 224 4825	jhony.r.zavaleta@nasa.gov

PER DIEM

2016 Per Diem rates as set by the Department of Defense

<http://www.defensetravel.dod.mil/site/perdiemCalc.cfm>

Locality	Maximum Lodging	Local Meals	Local Incidental	Maximum Per Diem	Effective Date
CHILE [OTHER]	182	71	18	271	07/01/2013

* All rates are in US Dollars

CUSTOMS AND IMMIGRATION

Upon arrival, the ESPO site manager will collect all passports and carry them with the customs declaration forms and immigration cards to the proper authorities. You will be issued an immigration voucher, which needs to be returned upon departure from Chile. Baggage will be loaded onto a cart and transported to main terminal to be scanned, then returned to the aircraft or our arrival area (the DGAC building near platform 4 or 5, NOT the main terminal)

SCHEDULE

Friday, August 12	Saturday, August 13	Sunday, August 14	Monday, August 15
≈ 23:24 arrival from Christchurch	Instrument access	Instrument access	≈ 07:30 departure for Ascension Island

DAILY SCHEDULE

While work and aircraft access schedules will generally follow normal business hours (08:00-17:00) schedule details and updates will be posted to the list serve and posted on the ATom website -

<https://espo.nasa.gov/atom>.

LODGING

ESPO has arranged a room block at the Hotel Dreams del Estrecho (Avenida Costanera del Estrecho, Punta Arenas, Region de Magallanes y de la Antartica Chilena, Chile). Your name has been provided to the hotel, but you must guarantee your room with a credit card. To provide the hotel with your credit card information, call Reservations at +56 22 346 4300. Refer to the room block name **Group 1608 NASA 1 Atmospheric Tomography**. The room rate is \$143 per night (which includes internet access and breakfast). The hotel will ask you for your passport upon check-in.

TRANSPORTATION

TAXIS

ESPO is strongly recommending that, upon arrival at Presidente Carlos Ibanez del Campo Airport, people take taxis to get to the Dreams hotel. You will be arriving at approximately 23:24 and we're anticipating that waiting in line to rent a car might not be something you really want to do at that time after the long flight from Christchurch. In addition, taxis are relatively cheap. We will arrange for sufficient taxis at the airport when the aircraft arrives. You could address all of your transportation needs to get to/from the airport with taxis.

RENTAL CARS

While ESPO is encouraging the use of taxis to get to/from the airport there are a few major rental car companies in Punta Arenas with locations at both the airport and downtown:

- Budget: airport phone +56 61 212-293, downtown phone +56 61 202-721. After hours contact +56 99 444-0715, e-mail: budgetpatagonia@danilojordon.cl and ask for Javiera or Fernando
- Alamo: airport phone +56 61 710-706, e-mail: punta_arenas@alamochile.com
- Hertz: airport phone +56 61 210-096, after hours contact: +56 99-9195-3542, e-mail: hertzpatagona@rentaaustral.cl
- Avis: cell phone +56 99 162-5487 (Hector)
- According to the U.S. Department of State visitors who rent cars in Chile must have an international driver's permit. Although car rental firms may rent cars to customers without an international driver's permit the police will fine visitors for driving without one. International driver's permits may be obtained at any AAA office.
- Parking in downtown Punta Arenas is not free. If you should park downtown you will find a bill on your windshield when you return. Before getting in your car find the city attendant (there's one on every street, dressed in a uniform with a handheld parking payment machine) and pay the attendant. If you do not pay your parking bill you will find a fine waiting for you when you return your rental car.

COMMUNICATIONS

INTERNET

The Dreams hotel rate includes internet access.

We recommend turning off data roaming on any mobile device while in Punta Arenas as data roaming rates are \$2.05 per MB?

VOICE AND TEXT

For AT&T customers calls placed or received while in Punta Arenas are charged at \$2.50 per minute while for Verizon customers they are \$1.79 per minute. Text messages cost vary depending on the service provider. Rates can vary widely depending on your plan.

- The Chile country code is 56
- The Punta Arenas city code is 61
- To call a U.S. number while in Punta Arenas enter the plus sign, then 1 then the 10 digit phone number
- To call a local number while in Punta Arenas enter the plus sign, then 56, then 61 then the local number

ELECTRICAL POWER

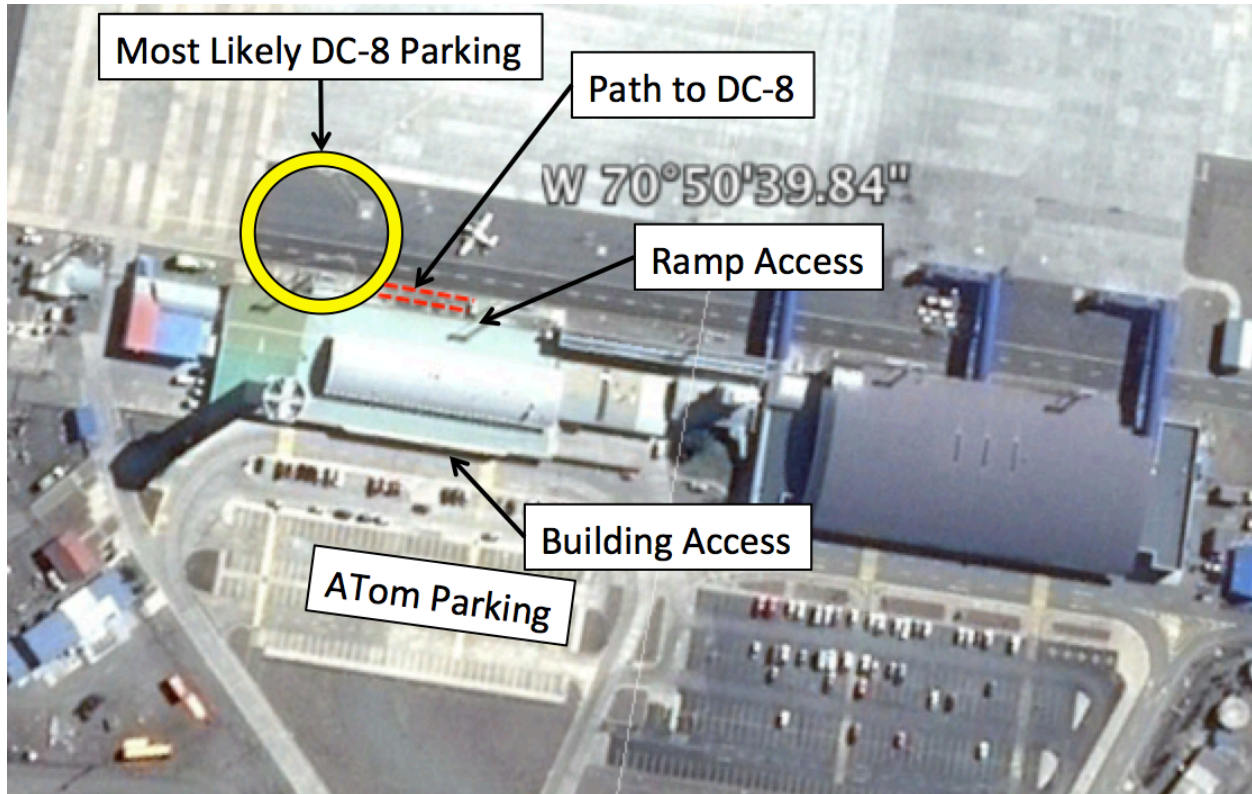
Please be aware that electrical power in Chile is 220V/50Hz. Take care when plugging in your electronic devices. Bring a conversion plug with you.

Electrical Outlet in Chile 220v: If you have the top plug it will work with bottom plug



AIRCRAFT ACCESS

The most likely DC-8 parking location, as well as the pathway through the airport building and to the aircraft and rental car parking are shown in the following picture. You will need to wear your ATom Badge and a reflective vest whenever you are outside the airport building and walking to/to from the DC-8. An escort for ATom badged people is not required. It is extremely important, when walking to the aircraft, that you walk parallel to the building and not stray onto the active ramp. The ramp is an active area of the airport and can be quite dangerous if you don't keep in mind where you are and stay alert for operational aircraft.



AIRFIELD SAFETY

- Always use Personal Protective Equipment when handling hazardous products/materials or performing tasks that require additional protection (i.e., transferring LN2)
- You are NOT allowed free roaming on the aircraft ramp
- You MUST go directly to the aircraft from the office building door. This is a strict rule that MUST NOT be violated at any time.
- No open-toed shoes are allowed when working on the aircraft or walking on the ramp.
- Be extremely aware of aircraft and trip hazards when walking to the aircraft.
- No photographs of airport operations on the ramp are permitted.

SHIPPING

FedEx delivers to Punta Arenas but absent a freight forwarder ESPO has had problems in the past with items being held at customs.

Please coordinate all unscheduled shipments to and from Punta Arenas with the ESPO site manager, Jhony Zavaleta (contact info above).

HEALTH

HOSPITALS & CLINICS

You should discuss with your health insurance provider what coverage you will have in Punta Arenas.

Clinica Privada Magalanes

The Clinica Privada Magallanes, near Zona Franca, Avenue Bulnes 01448 (phone 21-1706-20-7349 or 23-0011-20-7356) provides medical services. For emergencies call 131.

PHARMACIES

Three Chilean chains are located throughout Punta Arenas: Cruz Verde, Salco Brand and Farmacias Ahumada. The Farmacia Ahumada located on Bories Street (downtown) is open 24/7.

EMERGENCY PHONE NUMBERS

- 131 – AMBULANCE (*SAMU*)
- 132 – FIRE DEPARTMENT (*BOMBEROS*)
- 133 – POLICE DEPARTMENT (*CARABINEROS*)

STORES/RESTAURANTS

Sodimac, a store equivalent to Home Depot, is located on the north end of Punta Arenas. There are a lot of good restaurants on O'Higgins Street or on the Central Plaza. These include La Luna, Brocolino, O'Solemio (Italian) or La Tasca (Spanish). Lomit's (downtown) has good Chilean style sandwiches. Fine dining can be had at Sotito's or Puerto Viejo. Aside from the hotel services two other laundry services are On-Time, in the Punta Arenas Mall, and Lavanderia Antartica located on Jorge Montt #664 near the city center (phone +56-61-223-079).

UPON DEPARTURE

You are responsible for obtaining the food you want to take on the outbound flight. The options available are getting food to go from the hotel (\$10 for cold sandwich, fruit, cereal bar and bottled water; other options available at varying costs), buying food at one of the local supermarkets. One additional option that may be

available is cold sandwiches or empanadas from a local contact that ESPO has used in the past. The Site Manager (Jhony Zavaleta) will arrange this if desired.

WEATHER

Weather in Punta Arenas can be very windy, wet and cold. The average wind speed varies from 7.16 m/s (June) to 9.04 m/s (November). The average per month precipitation varies from 26mm (October) to 45mm (April/May). The average temperature in Punta Arenas varies from 10.06°C (January) to 0.04°C (July).

NATURAL HAZARDS/EMERGENCY PLANS

EARTHQUAKES

Chile resides in an active earthquake zone. Please review the Earthquake preparedness guidelines from the CDC below before the deployment.

If a major earthquake occurs during our stopover in Punta Arenas,

- At airport - The team will follow the instructions of airport management and emergency personnel.
- At hotel or elsewhere - Shelter in place using the CDC guidelines.

Following an earthquake, all team members must check in with the ESPO site manager when it is safe to do so (either in person or by phone). The ESPO site manager will do a head count to ensure that everyone on the team is safe and accounted for.

DURING AN EARTHQUAKE (FROM CDC.GOV)

Indoor Safety

If you are inside, stay inside. DO NOT run outside or to other rooms during shaking.

In most situations, you will reduce your chance of injury from falling objects and even building collapse if you immediately:

- DROP down onto your hands and knees before the earthquake knocks you down. This position protects you from falling but allows you to still move if necessary.
- COVER your head and neck (and your entire body if possible) under the shelter of a sturdy table or desk. If there is no shelter nearby, get down near an interior wall or next to low-lying furniture that won't fall on you, and cover your head and neck with your arms and hands.

HOLD ON to your shelter (or to your head and neck) until the shaking stops. Be prepared to move with your shelter if the shaking shifts it around.

DO NOT stand in a doorway. You are safer under a table. In modern houses, doorways are no stronger than any other part of the house. The doorway does not protect you from the most likely source of injury—falling

or flying objects. Most earthquake-related injuries and deaths are caused by falling or flying objects (e.g., TVs, lamps, glass, bookcases), or by being knocked to the ground.

You can take other actions, even while an earthquake is happening, that will reduce your chances of being hurt.

- If possible within the few seconds before shaking intensifies, quickly move away from glass and hanging objects, and bookcases, china cabinets, or other large furniture that could fall. Watch for falling objects, such as bricks from fireplaces and chimneys, light fixtures, wall hangings, high shelves, and cabinets with doors that could swing open.
- If available nearby, grab something to shield your head and face from falling debris and broken glass.
- If you are in the kitchen, quickly turn off the stove and take cover at the first sign of shaking.

If you are in bed, hold on and stay there, protecting your head with a pillow. You are less likely to be injured staying where you are. Broken glass on the floor has caused injury to those who have rolled to the floor or tried to get to doorways.

Outdoor Safety

If you are outside, stay outside, and stay away from buildings utility wires, sinkholes, and fuel and gas lines.

The area near the exterior walls of a building is the most dangerous place to be. Windows, facades and architectural details are often the first parts of the building to collapse. Also, shaking can be so strong that you will not be able to move far without falling down, and objects may fall or be thrown at you. Stay away from this danger zone--stay inside if you are inside and outside if you are outside.

If outdoors, move away from buildings, utility wires, sinkholes, and fuel and gas lines. The greatest danger from falling debris is just outside doorways and close to outer walls. Once in the open, get down low (to avoid being knocked down by strong shaking) and stay there until the shaking stops.